

FIG. 1

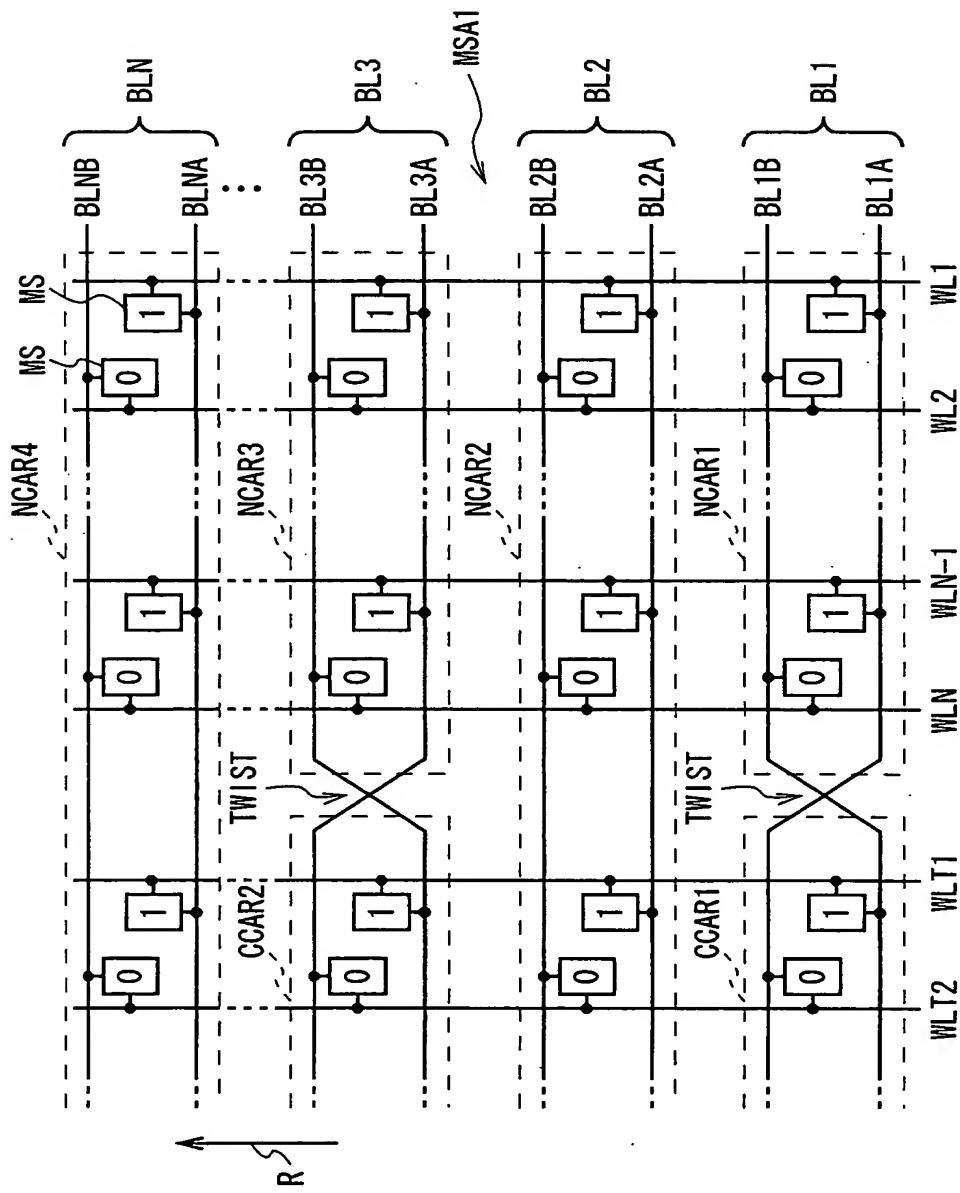


FIG. 2

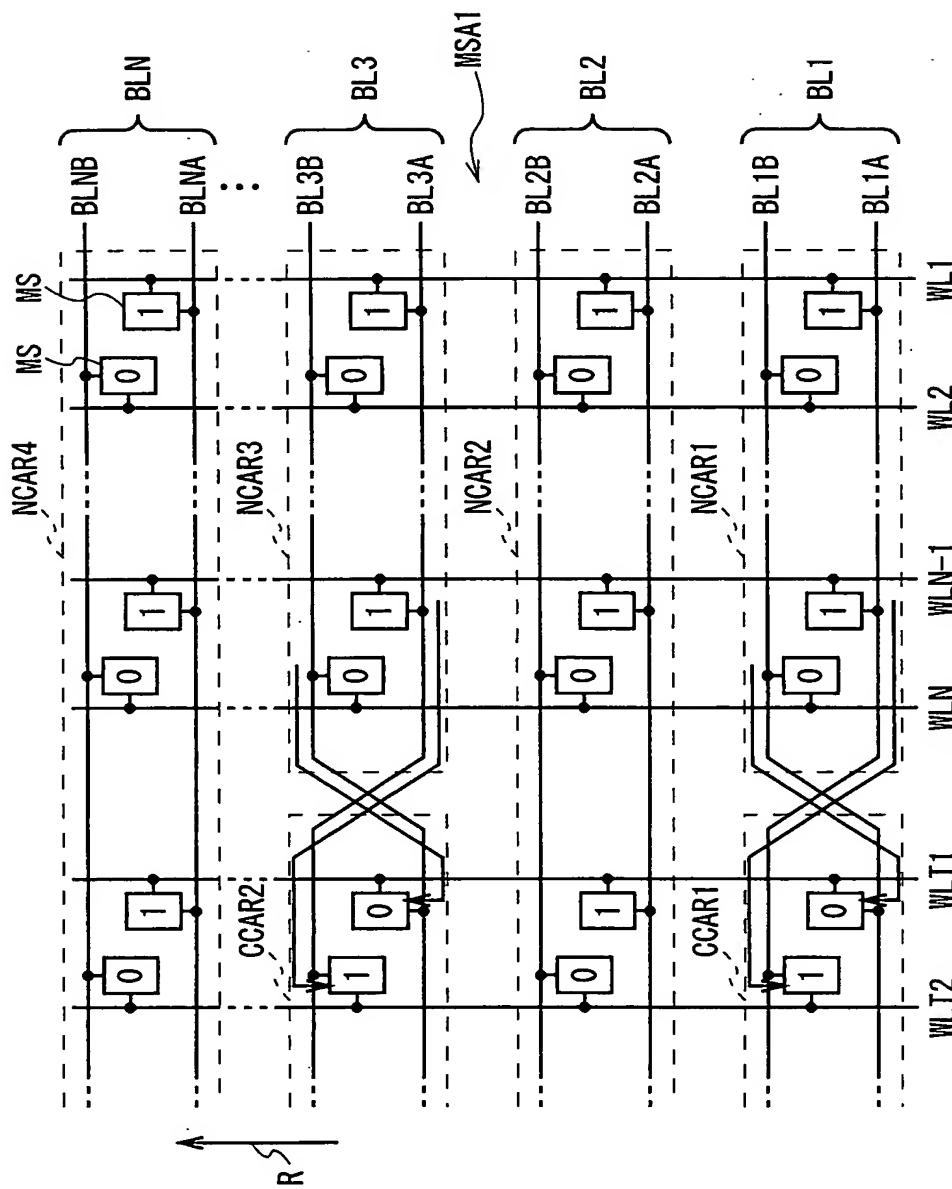


FIG. 3

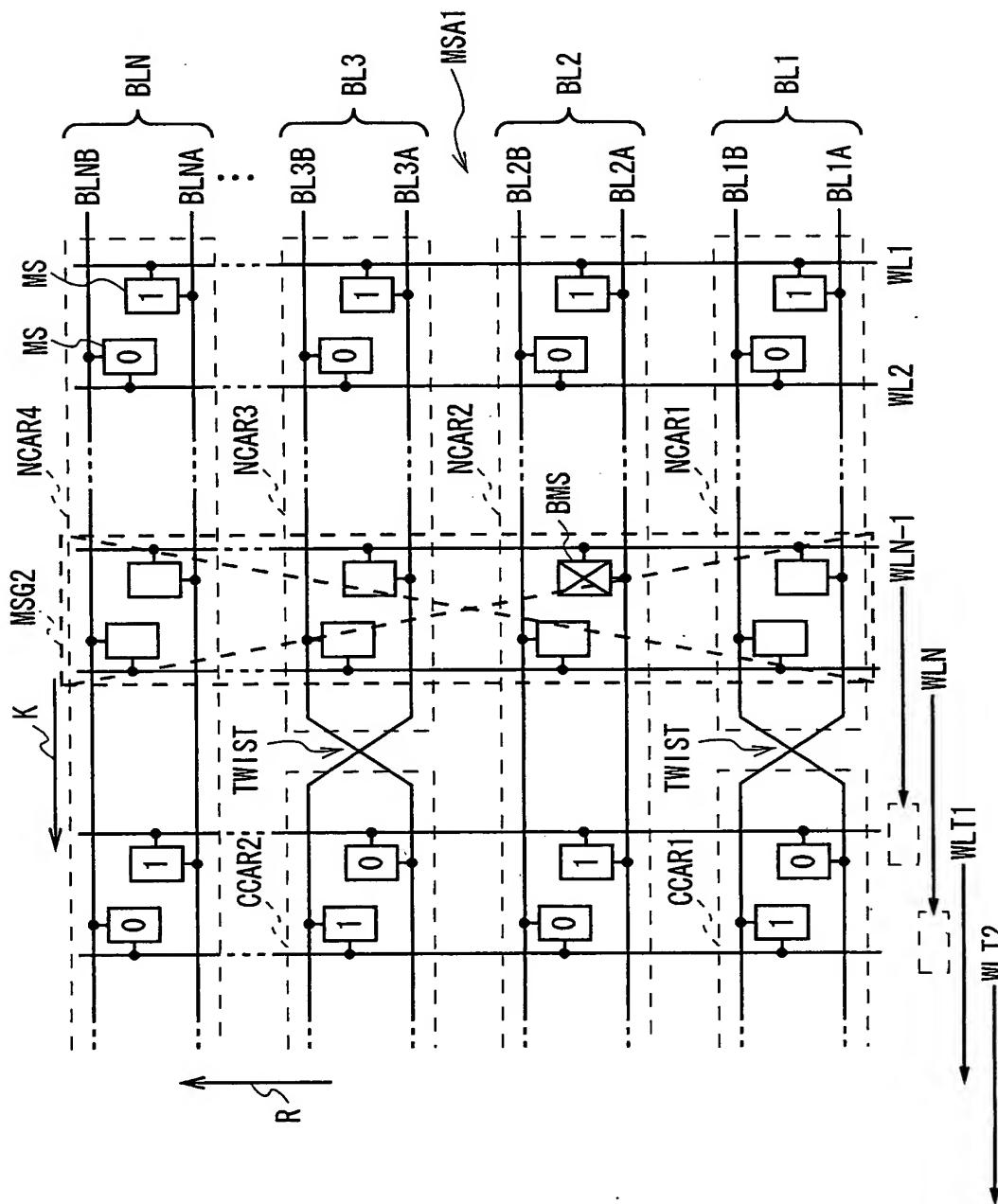
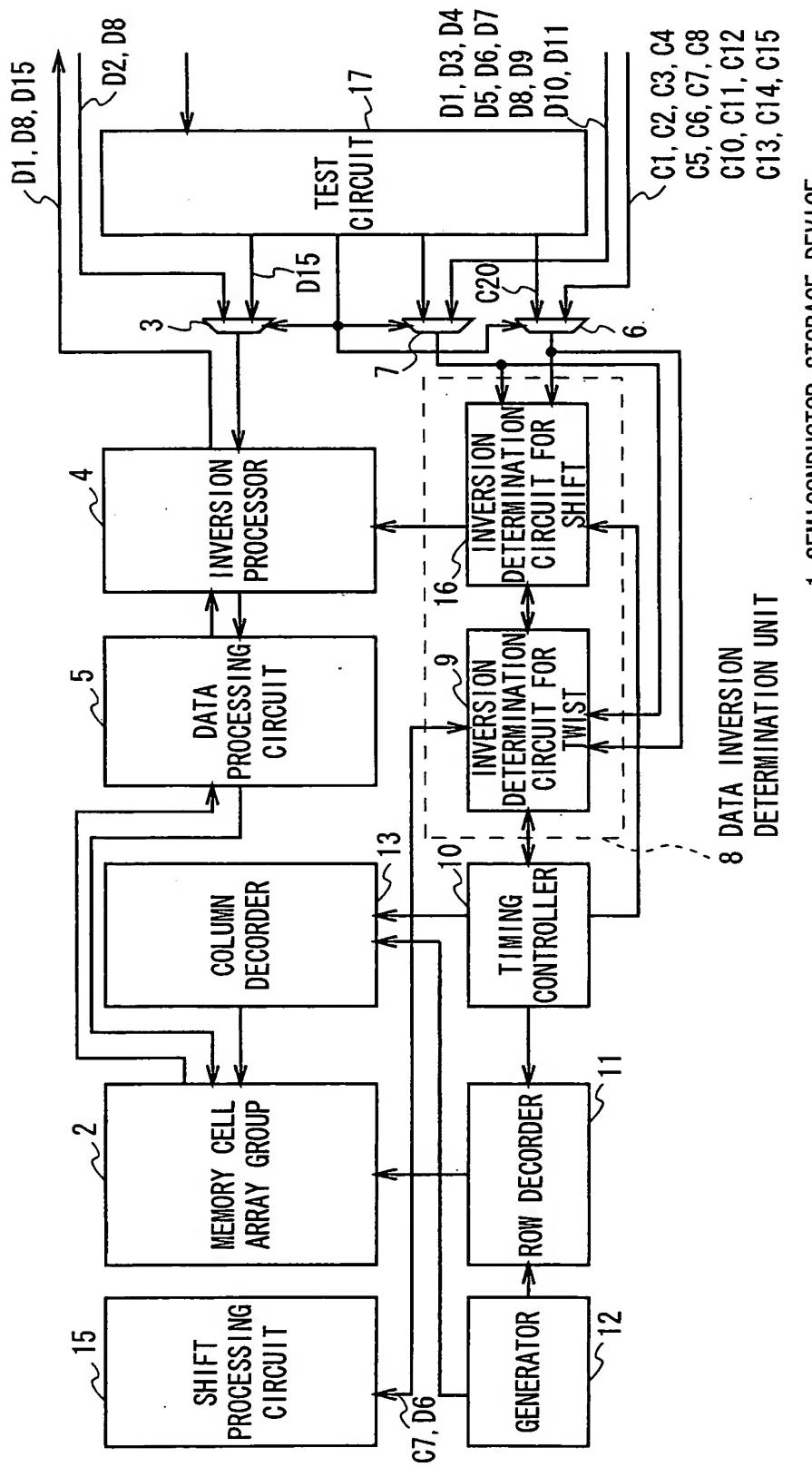


FIG. 4



1 SEMICONDUCTOR STORAGE DEVICE

FIG. 5

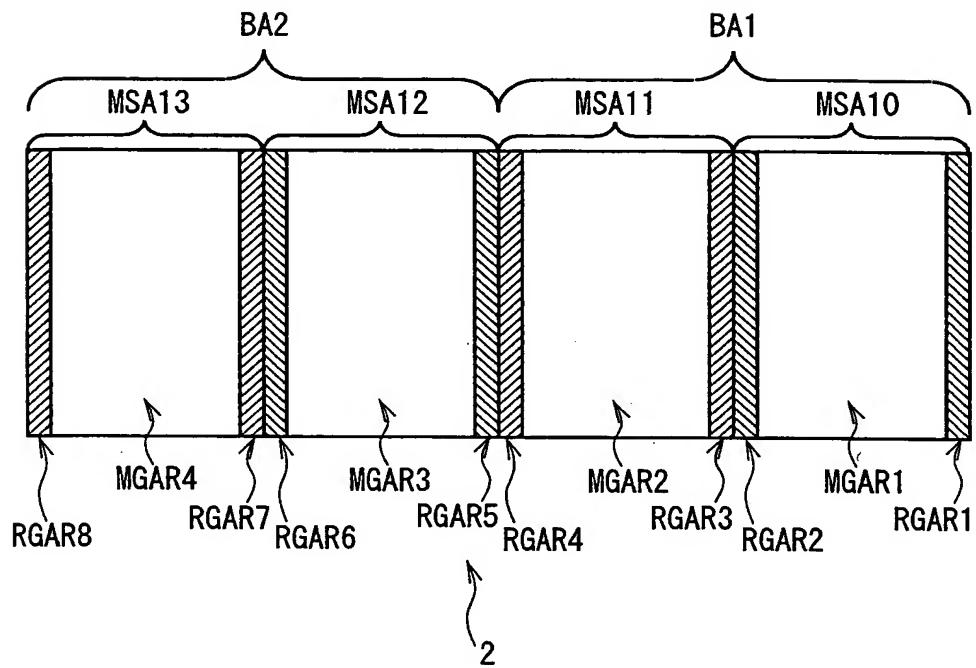


FIG. 6

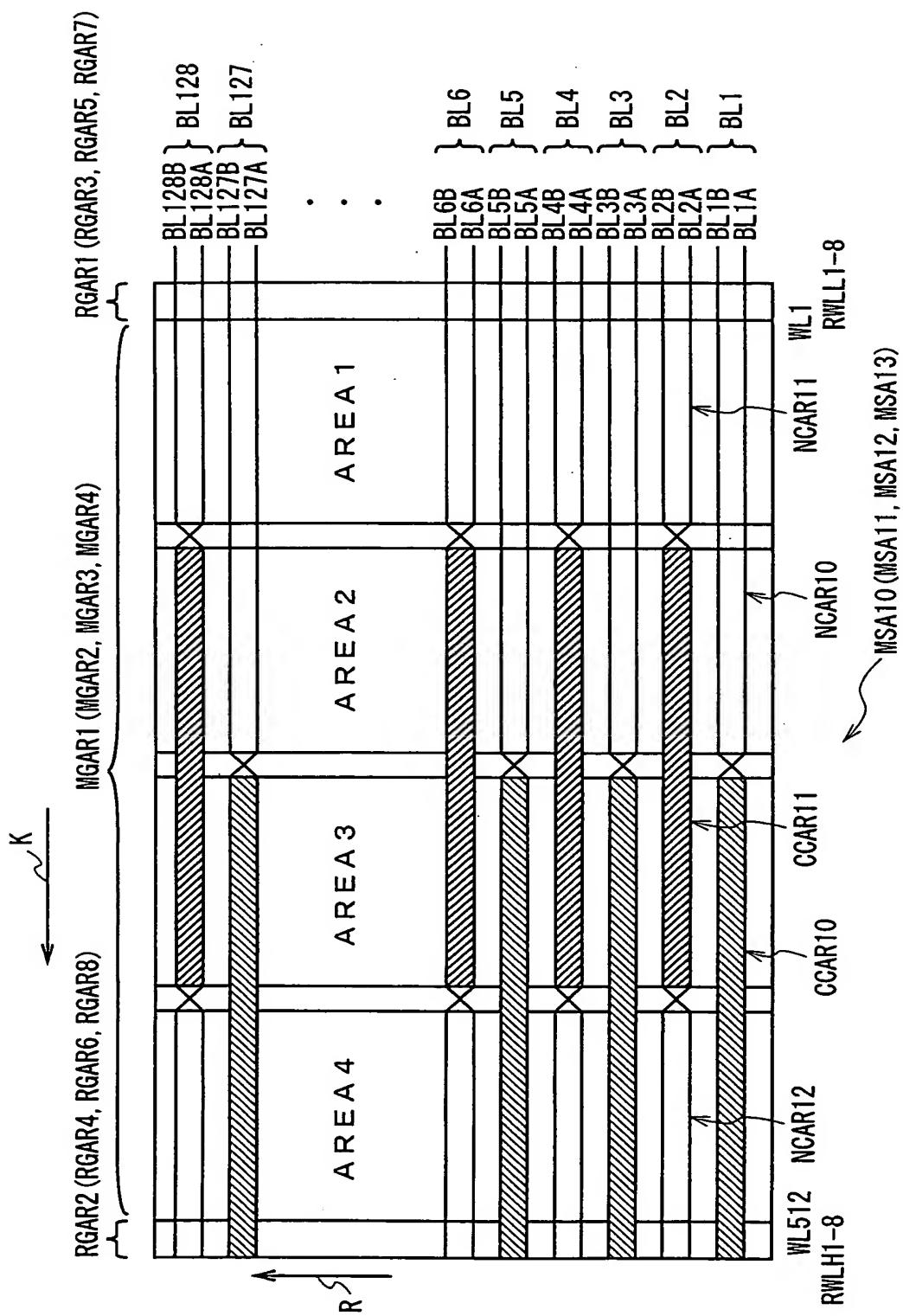
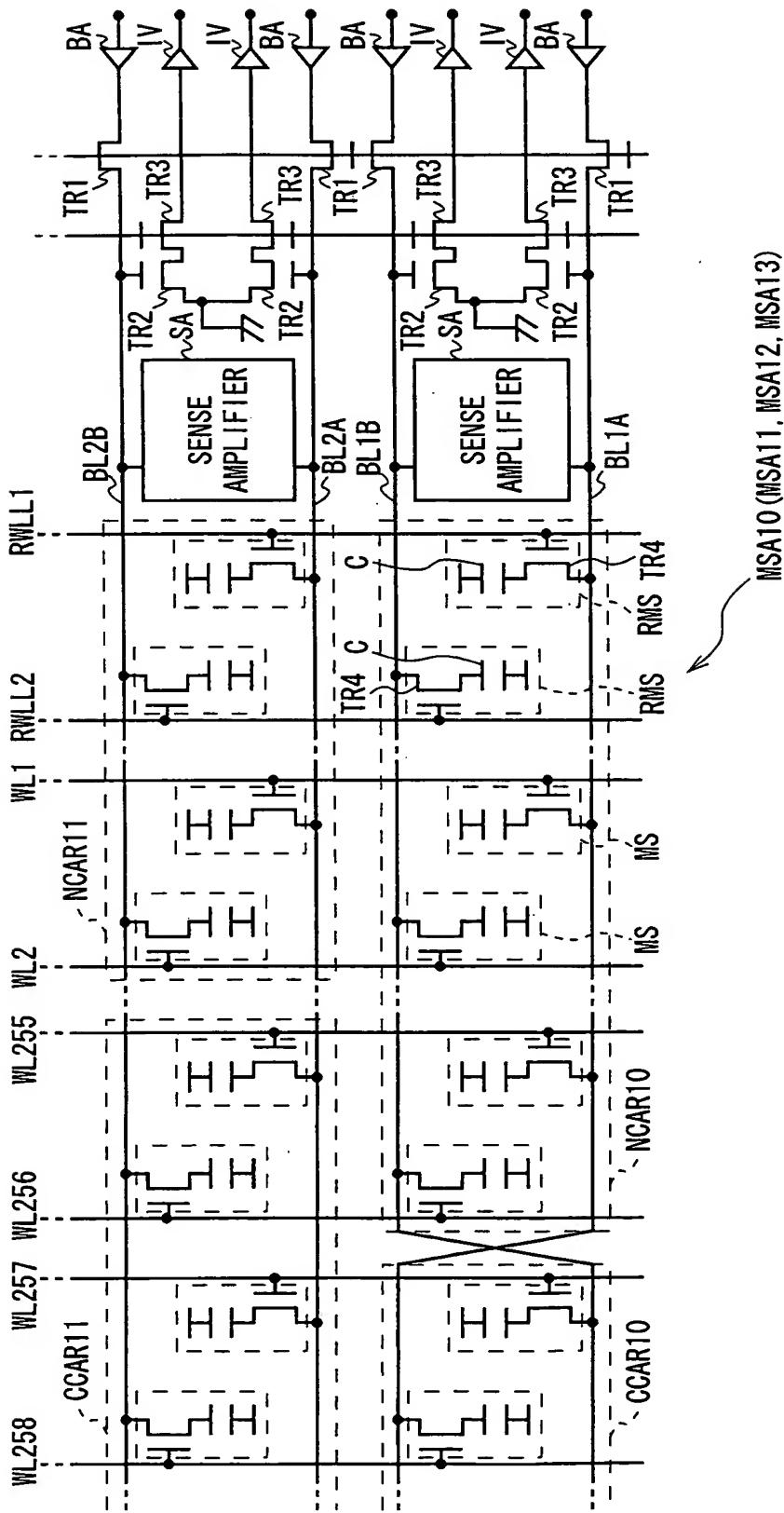


FIG. 7



8
FIG.

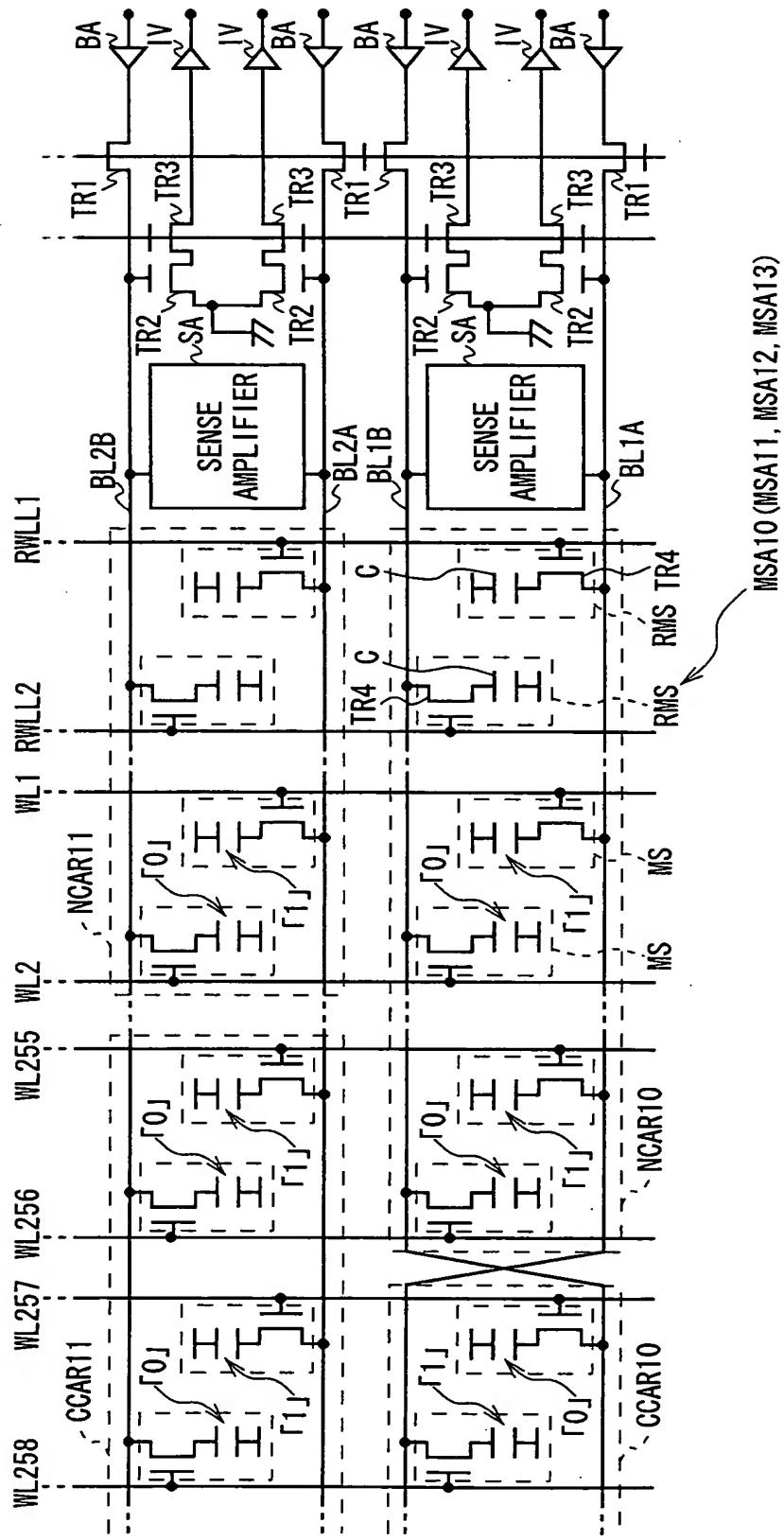


FIG. 9

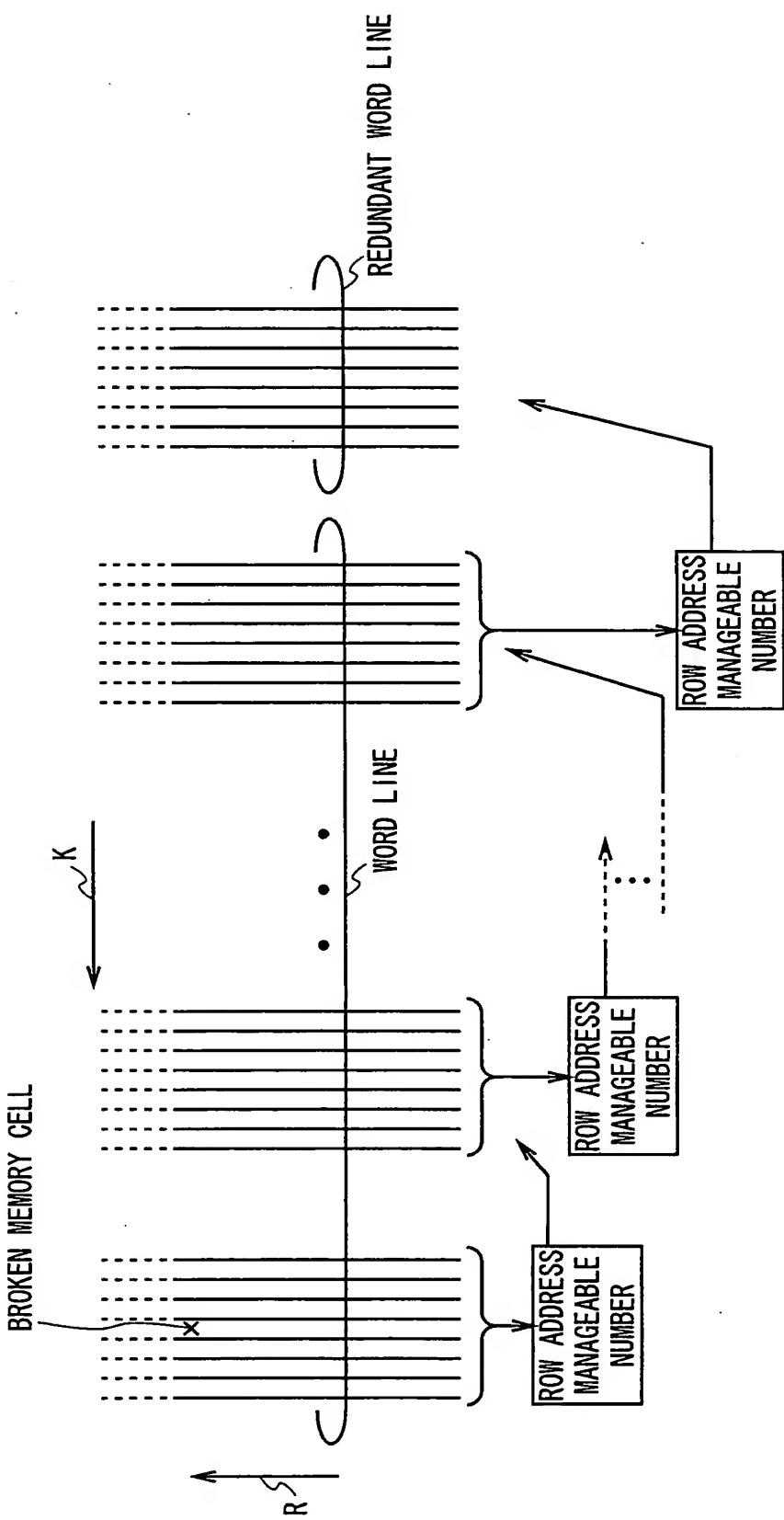
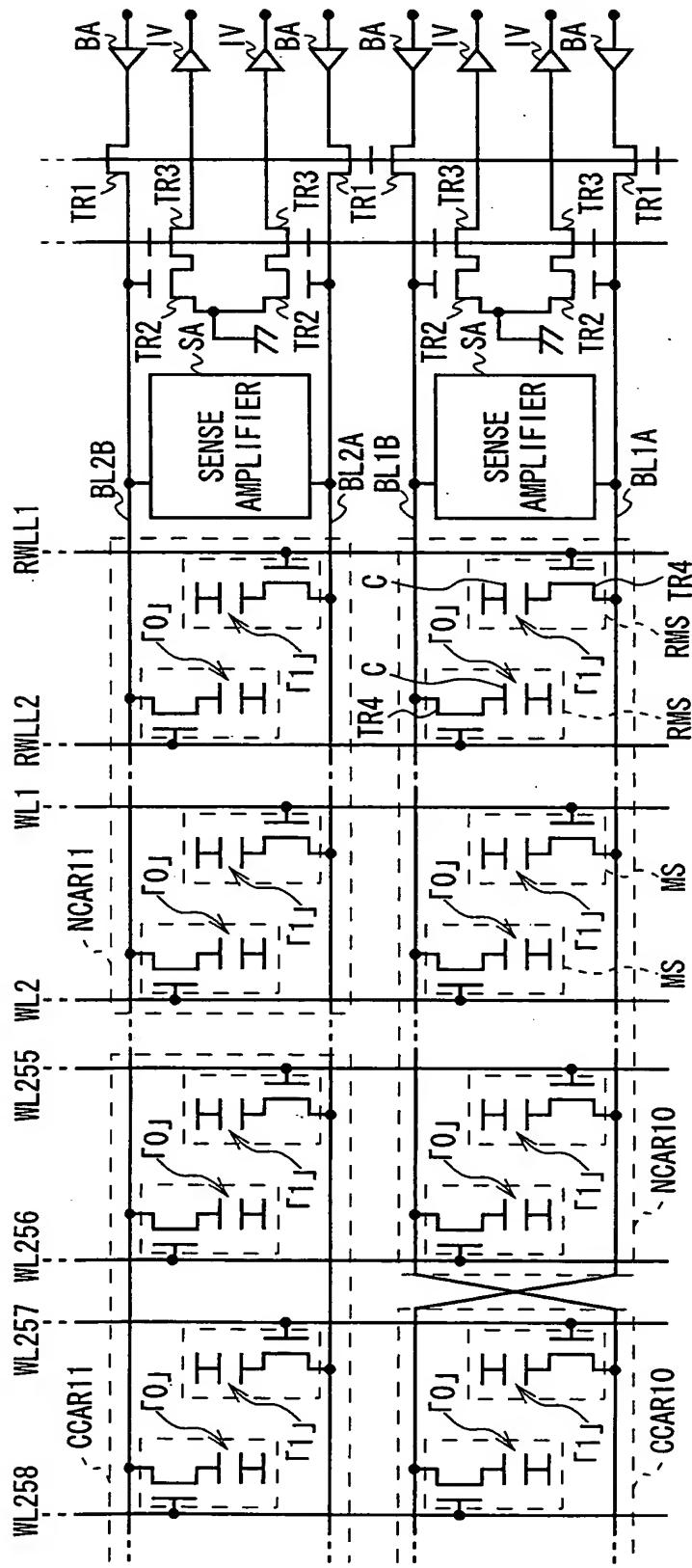


FIG. 10



MSA10 (MSA11, MSA12, MSA13)

FIG. 11

FIG. 12A CLOCK



FIG. 12B COMMAND

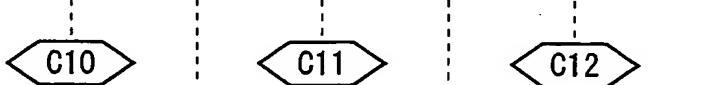


FIG. 12C ADDRESS DATA

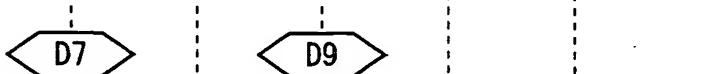


FIG. 12D ROW ADDRESS

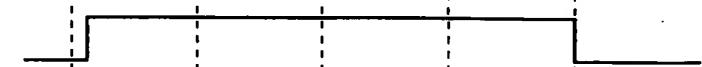


FIG. 12E AREA

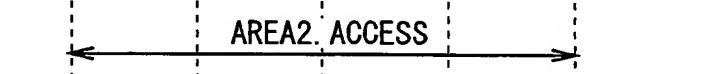


FIG. 12F INVERTING COMMAND

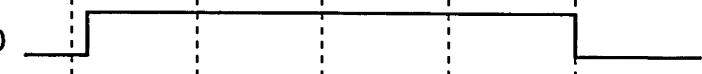


FIG. 12G NON-INVERTING COMMAND

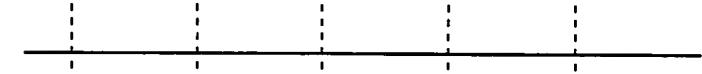


FIG. 12H INVERSION CONTROL

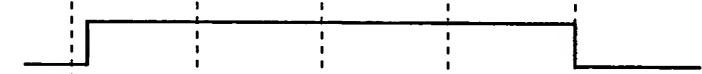


FIG. 12I DATA FOR SINGLE TWIST

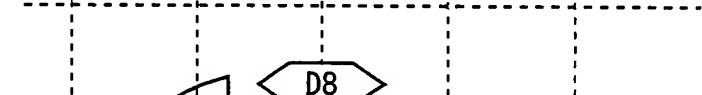


FIG. 12J DATA FOR DOUBLE TWIST



FIG. 12K DATA

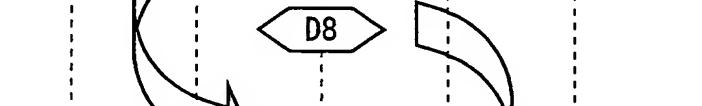


FIG. 12L DATA

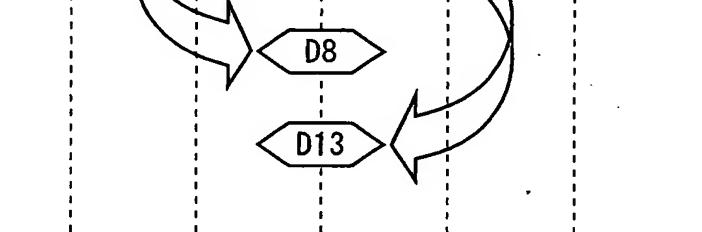


FIG. 13A CLOCK



FIG. 13B COMMAND



FIG. 13C ADDRESS DATA

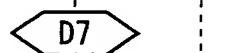


FIG. 13D ROW ADDRESS



FIG. 13E AREA



FIG. 13F INVERTING
COMMAND

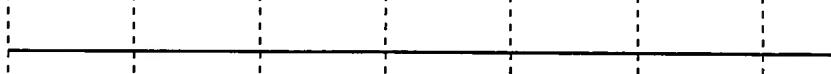


FIG. 13G NON-INVERTING
COMMAND



FIG. 13H INVERSION
CONTROLL

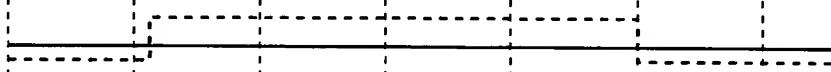


FIG. 13I DATA FOR
SINGLE TWIST

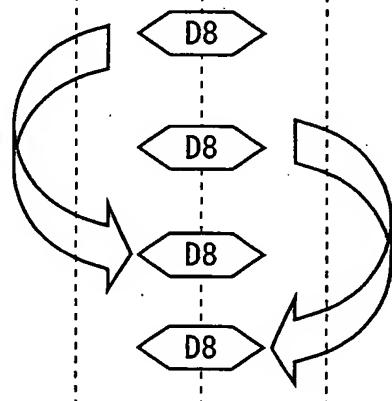


FIG. 13J DATA FOR
DOUBLE TWIST

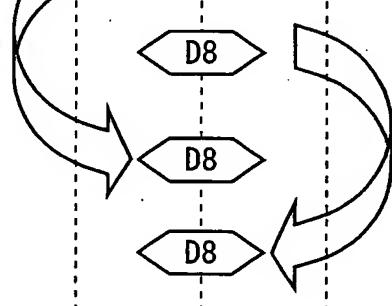


FIG. 13K DATA

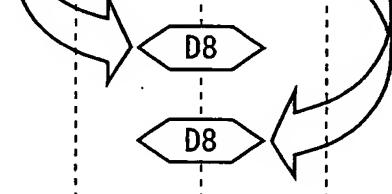


FIG. 13L DATA

FIG. 14A CLOCK

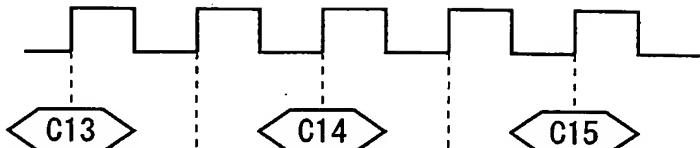


FIG. 14B COMMAND

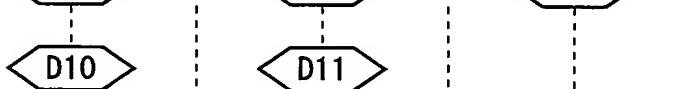


FIG. 14C ADDRESS DATA

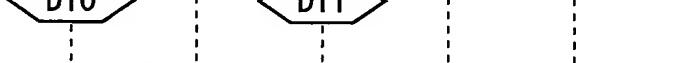


FIG. 14D ROW ADDRESS

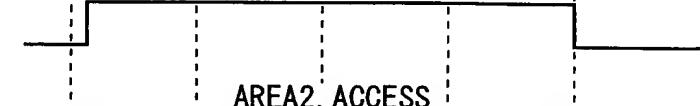


FIG. 14E AREA

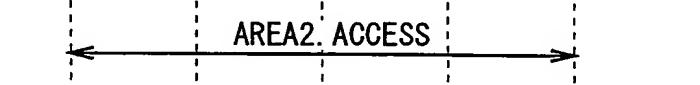


FIG. 14F INVERTING COMMAND

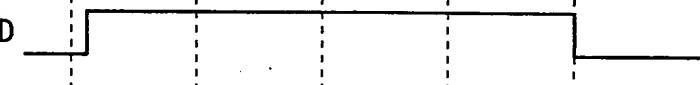


FIG. 14G NON-INVERTING COMMAND



FIG. 14H INVERSION CONTROL

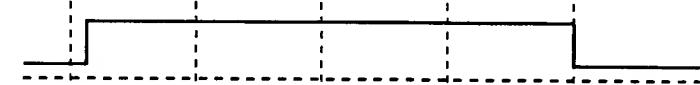


FIG. 14I DATA FOR SINGLE TWIST

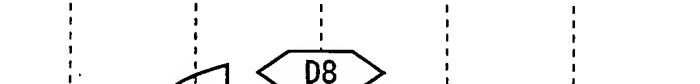


FIG. 14J DATA FOR DOUBLE TWIST

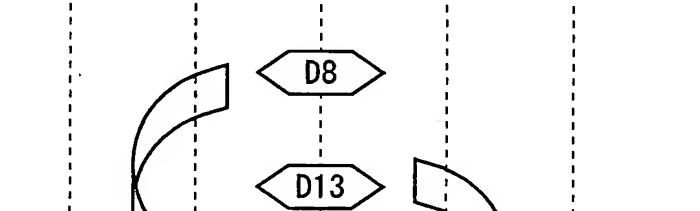


FIG. 14K DATA

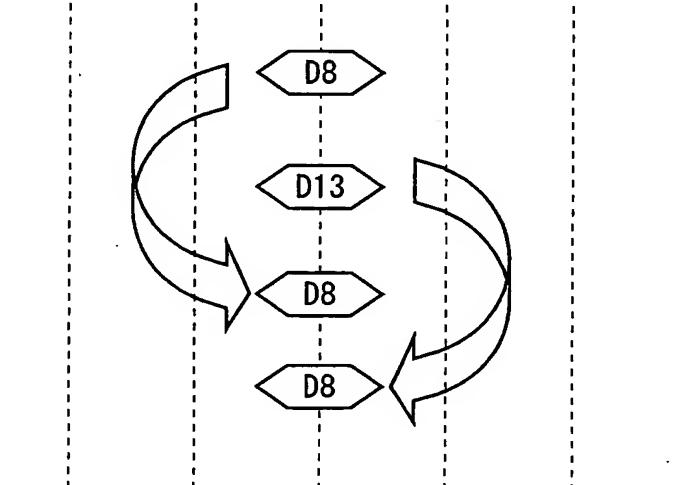


FIG. 14L DATA

FIG. 15A CLOCK



FIG. 15B COMMAND

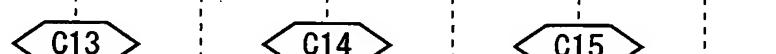


FIG. 15C ADDRESS DATA

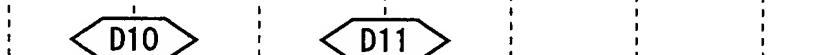


FIG. 15D ROW ADDRESS



FIG. 15E AREA



FIG. 15F INVERTING
COMMAND



FIG. 15G NON-INVERTING
COMMAND

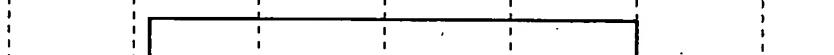


FIG. 15H INVERSION
CONTROLL

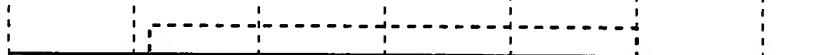


FIG. 15I DATA FOR
SINGLE TWIST

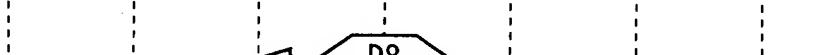


FIG. 15J DATA FOR
DOUBLE TWIST

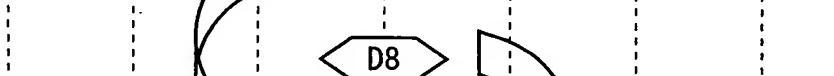


FIG. 15K DATA

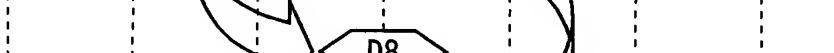
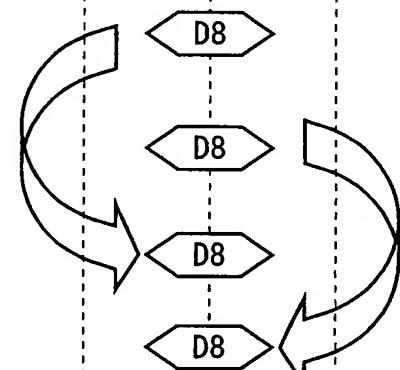
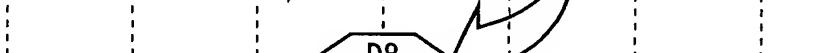


FIG. 15L DATA



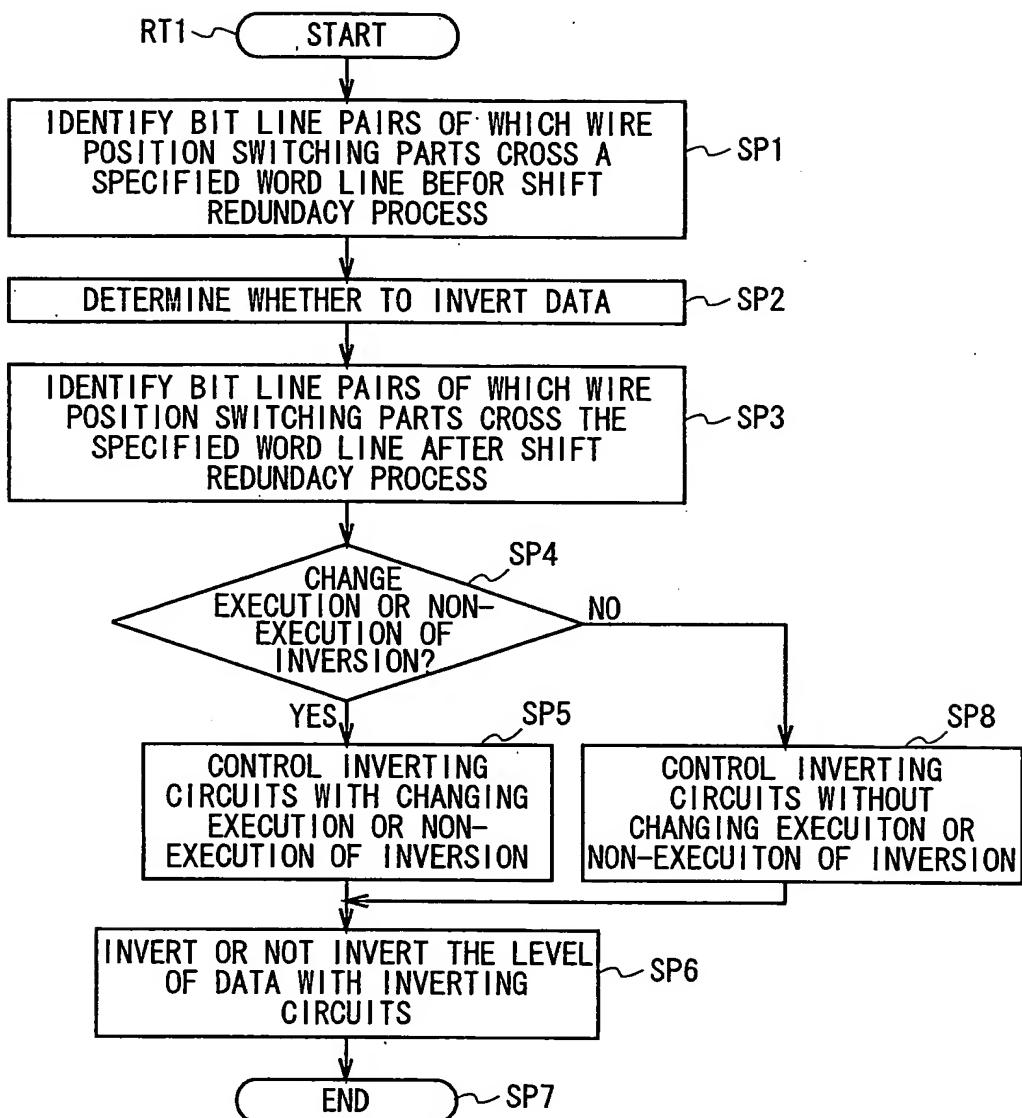


FIG. 16